

CLAIMS:

5 1. Brazed condenser for an air conditioner comprising a
block of tubes and fins, two collecting tubes between which said
block is arranged, a tube-shaped collector which is mounted
laterally on one of the collecting tubes, each collecting tube
being a prefabricated one-piece tube, and tack weld seams by
10 which each collecting tube is connected with the collector.

 2. Condenser according to Claim 1, wherein the tack weld
seams are constructed as TIG seams or laser weld seams.

15 3. Condenser according to Claim 1, wherein at least one
of the collecting tubes and the tube-shaped collector is provided
with at least one plastic deformation which forms a contact
surface for another of the collecting tubes and the tube-shaped
collector.

20 4. Condenser according to Claim 3, wherein the plastic
deformation is a recess of limited axial length.

 5. Condenser according to Claim 4, wherein an air gap is
25 left along most of the length of the collecting tube and the
tube-shaped collector.

5 6. Condenser according to Claim 3, wherein a longitudinal groove is recessed into one of the tubes.

10 7. Condenser according to Claim 3, wherein, in an area of the deformation, at least one connection opening is provided between one of the collecting tubes and a respective tube-shaped collector.

15 8. Condenser according to Claim 1, and further comprising a coaxial tube piece by which the collector is lengthened, the coaxial tube piece being provided on its outside with a longitudinal groove forming a contact surface for the collecting tube.

20 9. Condenser according to Claim 8, wherein the coaxial tube piece defines an extruded profile.

 10. Condenser according to Claim 8, wherein the coaxial tube piece is provided with an internal thread for accommodating a plug.

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 11. Condenser according to Claim 3, and further comprising a sleeve inserted into the collector and provided with an internal thread for accommodating a plug.

5 12. Condenser according to Claim 6, wherein the one of the
tubes is the collecting tube.

13. Condenser according to Claim 2, wherein at least one
of the collecting tubes and the tube-shaped collector is provided
10 with at least one plastic deformation which forms a contact
surface for another of the collecting tubes and the tube-shaped
collector.

14. Condenser according to Claim 4, wherein, in an area of
15 the deformation, at least one connection opening is provided
between one of the collecting tubes and a respective tube-shaped
collector.

15. Condenser according to Claim 5, wherein, in an area of
20 the deformation, at least one connection opening is provided
between one of the collecting tubes and a respective tube-shaped
collector.

16. Condenser according to Claim 2, and further comprising
25 a coaxial tube piece by which the collector is lengthened, the
coaxial tube piece being provided on its outside with a
longitudinal groove forming a contact surface for the collecting
tube.

5 17. Condenser according to Claim 9, wherein the coaxial
tube piece is provided with an internal thread for accommodating
a plug.

10 18. Condenser according to Claim 4, and further comprising
a sleeve inserted into the collector and provided with an
internal thread for accommodating a plug.

15 19. A method of forming a condenser for an air conditioner
comprising:

 prefabricating a one-piece collecting tube,
 aligning the collecting tube and a collector with one
another in a clamping device,

 fixedly connecting the collecting tube and the
collector together with tack weld seams to form a collecting tube
20 and collector assembly,

 removing the assembly from the clamping device, and
 brazing the assembly to form the condenser.

25 20. A method according to Claim 19, and further comprising
leaving an insulating air gap along the collecting tube and the
collector after fixedly connecting them together.